

## SEQUENCE LISTING

<110> INCYTE GENOMICS, INC.  
 TANG, Y. Tom  
 HILLMAN, Jennifer L.  
 YUE, Henry  
 REDDY, Roopa  
 LAL, Preeti  
 SHAH, Purvi  
 AZIMZAI, Yalda  
 BAUGHN, Mariah R.  
 LU, Dyung Aina M.  
 BANDMAN, Olga  
 SHIH, Leo L.  
 PATTERSON, Chandra

<120> PROTEINS ASSOCIATED WITH CELL DIFFERENTIATION

<130> PF-0741 PCT

<140> To Be Assigned

<141> Herewith

<150> 60/154,140; 60/169,155

<151> 1999-09-15; 1999-12-06

<160> 56

<170> PERL Program

<210> 1

<211> 367

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1681724CD1

<400> 1

Met	Ala	Thr	Pro	Asn	Asn	Leu	Thr	Pro	Thr	Asn	Cys	Ser	Trp	Trp
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Pro	Ile	Ser	Ala	Leu	Glu	Ser	Asp	Ala	Ala	Lys	Pro	Ala	Glu	Ala
				20					25					30
Pro	Asp	Ala	Pro	Glu	Ala	Ala	Ser	Pro	Ala	His	Trp	Pro	Arg	Glu
				35					40					45
Ser	Leu	Val	Leu	Tyr	His	Trp	Thr	Gln	Ser	Phe	Ser	Ser	Gln	Lys
				50					55					60
Val	Arg	Leu	Val	Ile	Ala	Glu	Lys	Gly	Leu	Val	Cys	Glu	Glu	Arg
				65					70					75
Asp	Val	Ser	Leu	Pro	Gln	Ser	Glu	His	Lys	Glu	Pro	Trp	Phe	Met
				80					85					90
Arg	Leu	Asn	Leu	Gly	Glu	Glu	Val	Pro	Val	Ile	Ile	His	Arg	Asp
				95					100					105
Asn	Ile	Ile	Ser	Asp	Tyr	Asp	Gln	Ile	Ile	Asp	Tyr	Val	Glu	Arg
				110					115					120
Thr	Phe	Thr	Gly	Glu	His	Val	Val	Ala	Leu	Met	Pro	Glu	Val	Gly
				125					130					135
Ser	Leu	Gln	His	Ala	Arg	Val	Leu	Gln	Tyr	Arg	Glu	Leu	Leu	Asp
				140					145					150
Ala	Leu	Pro	Met	Asp	Ala	Tyr	Thr	His	Gly	Cys	Ile	Leu	His	Pro
				155					160					165

Glu	Leu	Thr	Thr	Asp	Ser	Met	Ile	Pro	Lys	Tyr	Ala	Thr	Ala	Glu	
				170					175					180	
Ile	Arg	Arg	His	Leu	Ala	Asn	Ala	Thr	Thr	Asp	Leu	Met	Lys	Leu	
				185					190					195	
Asp	His	Glu	Glu	Glu	Pro	Gln	Leu	Ser	Glu	Pro	Tyr	Leu	Ser	Lys	
				200					205					210	
Gln	Lys	Lys	Leu	Met	Ala	Lys	Ile	Leu	Glu	His	Asp	Asp	Val	Ser	
				215					220					225	
Tyr	Leu	Lys	Lys	Ile	Leu	Gly	Glu	Leu	Ala	Met	Val	Leu	Asp	Gln	
				230					235					240	
Ile	Glu	Ala	Glu	Leu	Glu	Lys	Arg	Lys	Leu	Glu	Asn	Glu	Gly	Gln	
				245					250					255	
Lys	Cys	Glu	Leu	Trp	Leu	Cys	Gly	Cys	Ala	Phe	Thr	Leu	Ala	Asp	
				260					265					270	
Val	Leu	Leu	Gly	Ala	Thr	Leu	His	Arg	Leu	Lys	Phe	Leu	Gly	Leu	
				275					280					285	
Ser	Lys	Lys	Tyr	Trp	Glu	Asp	Gly	Ser	Arg	Pro	Asn	Leu	Gln	Ser	
				290					295					300	
Phe	Phe	Glu	Arg	Val	Gln	Arg	Arg	Phe	Ala	Phe	Arg	Lys	Val	Leu	
				305					310					315	
Gly	Asp	Ile	His	Thr	Thr	Leu	Leu	Ser	Ala	Val	Ile	Pro	Asn	Ala	
				320					325					330	
Phe	Arg	Leu	Val	Lys	Arg	Lys	Pro	Pro	Ser	Phe	Phe	Gly	Ala	Ser	
				335					340					345	
Phe	Leu	Met	Gly	Ser	Leu	Gly	Gly	Met	Gly	Tyr	Phe	Ala	Tyr	Trp	
				350					355					360	
Tyr	Leu	Lys	Lys	Lys	Tyr	Ile									
				365											

&lt;210&gt; 2

&lt;211&gt; 102

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1718047CD1

&lt;400&gt; 2

Met	Ala	Leu	Leu	Lys	Ala	Asn	Lys	Asp	Leu	Ile	Ser	Ala	Gly	Leu	
1				5					10					15	
Lys	Glu	Phe	Ser	Val	Leu	Leu	Asn	Gln	Gln	Val	Phe	Asn	Asp	Pro	
				20					25					30	
Leu	Val	Ser	Glu	Glu	Asp	Met	Val	Thr	Val	Val	Glu	Asp	Trp	Met	
				35					40					45	
Asn	Phe	Tyr	Ile	Asn	Tyr	Tyr	Arg	Gln	Gln	Val	Thr	Gly	Glu	Pro	
				50					55					60	
Gln	Glu	Arg	Asp	Lys	Ala	Leu	Gln	Glu	Leu	Arg	Gln	Glu	Leu	Asn	
				65					70					75	
Thr	Leu	Ala	Asn	Pro	Phe	Leu	Ala	Lys	Tyr	Arg	Asp	Phe	Leu	Lys	
				80					85					90	
Ser	His	Glu	Leu	Pro	Ser	His	Pro	Pro	Pro	Ser	Ser				
				95					100						

&lt;210&gt; 3

&lt;211&gt; 205

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1980323CD1

&lt;400&gt; 3

Met Ala Glu Pro Leu Gln Pro Asp Pro Gly Ala Ala Glu Asp Ala

1	5	10	15
Ala Ala Gln Ala Val	Glu Thr Pro Gly Trp	Lys Ala Pro Glu Asp	
	20	25	30
Ala Gly Pro Gln Pro	Gly Ser Tyr Glu Ile	Arg His Tyr Gly Pro	
	35	40	45
Ala Lys Trp Val Ser	Thr Ser Val Glu Ser	Met Asp Trp Asp Ser	
	50	55	60
Ala Ile Gln Thr Gly	Phe Thr Lys Leu Asn	Ser Tyr Ile Gln Gly	
	65	70	75
Lys Asn Glu Lys Glu	Met Lys Ile Lys Met	Thr Ala Pro Val Thr	
	80	85	90
Ser Tyr Val Glu Pro	Gly Ser Gly Pro Phe	Ser Glu Ser Thr Ile	
	95	100	105
Thr Ile Ser Leu Tyr	Ile Pro Ser Glu Gln	Gln Phe Asp Pro Pro	
	110	115	120
Arg Pro Leu Glu Ser	Asp Val Phe Ile Glu	Asp Arg Ala Glu Met	
	125	130	135
Thr Val Phe Val Arg	Ser Phe Asp Gly Phe	Ser Ser Ala Gln Lys	
	140	145	150
Asn Gln Glu Gln Leu	Leu Thr Leu Ala Ser	Ile Leu Arg Glu Asp	
	155	160	165
Gly Lys Val Phe Asp	Glu Lys Val Tyr Tyr	Thr Ala Gly Tyr Asn	
	170	175	180
Ser Pro Val Lys Leu	Leu Asn Arg Asn Asn	Glu Val Trp Leu Ile	
	185	190	195
Gln Lys Asn Glu Pro	Thr Lys Glu Asn Glu		
	200	205	

&lt;210&gt; 4

&lt;211&gt; 120

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1990956CD1

&lt;400&gt; 4

Met Glu Ser Lys Glu	Glu Leu Ala Ala Asn	Asn Leu Asn Gly Glu
1	5	10
Asn Ala Gln Gln Glu	Asn Glu Gly Gly Glu	Gln Ala Pro Thr Gln
	20	25
Asn Glu Glu Glu Ser	Arg His Leu Gly Gly	Gly Glu Gly Gln Lys
	35	40
Pro Gly Gly Asn Ile	Arg Arg Gly Arg Val	Arg Arg Leu Val Pro
	50	55
Asn Phe Arg Trp Ala	Ile Pro Asn Arg His	Ile Glu His Asn Glu
	65	70
Ala Arg Asp Asp Val	Glu Arg Phe Val Gly	Gln Met Met Glu Ile
	80	85
Lys Arg Lys Thr Arg	Glu Gln Gln Met Arg	His Tyr Met Arg Phe
	95	100
Gln Thr Pro Glu Pro	Asp Asn His Tyr Asp	Phe Cys Leu Ile Pro
	110	115

&lt;210&gt; 5

&lt;211&gt; 108

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2009069CD1

&lt;400&gt; 5

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Met Ala Lys Val Thr Ser Glu Pro Gln Lys Pro Asn Glu Asp Val
  1          5          10          15
Asp Glu His Thr Pro Ser Thr Ser Ser Thr Lys Gly Arg Lys Lys
          20          25          30
Gly Lys Thr Pro Gln Arg Arg Ser Arg Ser Gly Val Lys Gly
          35          40          45
Leu Lys Thr Thr Arg Lys Ala Lys Arg Pro Leu Arg Gly Ser Ser
          50          55          60
Ser Gln Lys Ala Gly Glu Thr Asn Thr Pro Ala Gly Lys Pro Lys
          65          70          75
Lys Ala Arg Gly Pro Ile Leu Arg Gly Arg Tyr His Arg Leu Lys
          80          85          90
Glu Lys Met Lys Lys Glu Glu Ala Asp Lys Glu Gln Ser Glu Thr
          95          100          105
Ser Val Leu

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&lt;210&gt; 6

&lt;211&gt; 308

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2009435CD1

&lt;400&gt; 6

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Met Ala Lys Met Glu Leu Ser Lys Ala Phe Ser Gly Gln Arg Thr
  1          5          10          15
Leu Leu Ser Ala Ile Leu Ser Met Leu Ser Leu Ser Phe Ser Thr
          20          25          30
Thr Ser Leu Leu Ser Asn Tyr Trp Phe Val Gly Thr Gln Lys Val
          35          40          45
Pro Lys Pro Leu Cys Glu Lys Gly Leu Ala Ala Lys Cys Phe Asp
          50          55          60
Met Pro Val Ser Leu Asp Gly Asp Thr Asn Thr Ser Thr Gln Glu
          65          70          75
Val Val Gln Tyr Asn Trp Glu Thr Gly Asp Asp Arg Phe Ser Phe
          80          85          90
Arg Ser Phe Arg Ser Gly Met Trp Leu Ser Cys Glu Glu Thr Val
          95          100          105
Glu Glu Pro Ala Leu Leu His Pro Gln Ser Trp Lys Gln Phe Arg
          110          115          120
Ala Leu Arg Ser Ser Gly Thr Ala Ala Lys Gly Glu Arg Cys
          125          130          135
Arg Ser Phe Ile Glu Leu Thr Pro Pro Ala Lys Arg Gly Glu Lys
          140          145          150
Gly Leu Leu Glu Phe Ala Thr Leu Gln Gly Pro Cys His Pro Thr
          155          160          165
Leu Arg Phe Gly Gly Lys Arg Leu Met Glu Lys Ala Ser Leu Pro
          170          175          180
Ser Pro Pro Leu Gly Leu Cys Gly Lys Asn Pro Met Val Ile Pro
          185          190          195
Gly Asn Ala Asp His Leu His Arg Thr Ser Ile His Gln Leu Pro
          200          205          210
Pro Ala Thr Asn Arg Leu Ala Thr His Trp Glu Pro Cys Leu Trp
          215          220          225
Ala Gln Thr Glu Arg Leu Cys Cys Cys Phe Leu Cys Pro Val Arg
          230          235          240
Ser Pro Gly Asp Gly Gly Pro His Asp Val Phe Thr Ser Leu Pro
          245          250          255
Ser Asp Cys Gln Leu Gly Ser Arg Arg Leu Glu Thr Thr Cys Leu
          260          265          270

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Glu Leu Trp Leu Gly Leu Leu His Gly Leu Ala Leu Leu His Leu  
 275 280 285  
 Leu His Gly Val Gly Cys His His Leu Gln His Val His Gln Asp  
 290 295 300  
 Gly Ala Gly Val Gln Val Gln Ala  
 305

<210> 7  
 <211> 116  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2027937CD1

<400> 7  
 Met Ser Phe Ser Glu Gln Gln Cys Lys Gln Pro Cys Val Pro Pro  
 1 5 10 15  
 Pro Cys Leu Pro Lys Thr Gln Glu Gln Cys Gln Ala Lys Ala Glu  
 20 25 30  
 Glu Val Cys Leu Pro Thr Cys Gln His Pro Cys Gln Asp Lys Cys  
 35 40 45  
 Leu Val Gln Ala Gln Glu Val Cys Leu Ser Gln Cys Gln Glu Ser  
 50 55 60  
 Ser Gln Glu Lys Cys Pro Gln Gln Gly Gln Glu Pro Tyr Leu Pro  
 65 70 75  
 Pro Cys Gln Asp Gln Cys Pro Pro Gln Cys Ala Glu Pro Cys Gln  
 80 85 90  
 Glu Leu Phe Gln Thr Lys Cys Val Glu Val Cys Pro Gln Lys Val  
 95 100 105  
 Gln Glu Lys Cys Ser Ser Pro Gly Lys Gly Lys  
 110 115

<210> 8  
 <211> 1253  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2722347CD1

<400> 8  
 Met Thr Thr His Val Thr Leu Glu Asp Ala Leu Ser Asn Val Asp  
 1 5 10 15  
 Leu Leu Glu Glu Leu Pro Leu Pro Asp Gln Pro Cys Ile Glu  
 20 25 30  
 Pro Pro Pro Ser Ser Ile Met Tyr Gln Ala Asn Phe Asp Thr Asn  
 35 40 45  
 Phe Glu Asp Arg Asn Ala Phe Val Thr Gly Ile Ala Arg Tyr Ile  
 50 55 60  
 Glu Gln Ala Thr Val His Ser Ser Met Asn Glu Met Leu Glu Glu  
 65 70 75  
 Gly His Glu Tyr Ala Val Met Leu Tyr Thr Trp Arg Ser Cys Ser  
 80 85 90  
 Arg Ala Ile Pro Gln Val Lys Cys Asn Glu Gln Pro Asn Arg Val  
 95 100 105  
 Glu Ile Tyr Glu Lys Thr Val Glu Val Leu Glu Pro Glu Val Thr  
 110 115 120  
 Lys Leu Met Lys Phe Met Tyr Phe Gln Arg Lys Ala Ile Glu Arg  
 125 130 135  
 Phe Cys Ser Glu Val Lys Arg Leu Cys His Ala Glu Arg Arg Lys  
 140 145 150  
 Asp Phe Val Ser Glu Ala Tyr Leu Leu Thr Leu Gly Lys Phe Ile

Asn Met Phe Ala	Val Leu Asp Glu Leu	Lys Asn Met Lys Cys	Ser
155	160	165	
170	175	180	
Val Lys Asn Asp	His Ser Ala Tyr Lys	Arg Ala Ala Gln Phe	Leu
185	190	195	
Arg Lys Met Ala	Asp Pro Gln Ser Ile	Gln Glu Ser Gln Asn	Leu
200	205	210	
Ser Met Phe Leu	Ala Asn His Asn Arg	Ile Thr Gln Cys Leu	His
215	220	225	
Gln Gln Leu Glu	Val Ile Pro Gly Tyr	Glu Glu Leu Leu Ala	Asp
230	235	240	
Ile Val Asn Ile	Cys Val Asp Tyr Tyr	Glu Asn Lys Met Tyr	Leu
245	250	255	
Thr Pro Ser Glu	Lys His Met Leu Leu	Lys Val Met Gly Phe	Gly
260	265	270	
Leu Tyr Leu Met	Asp Gly Asn Val Ser	Asn Ile Tyr Lys Leu	Asp
275	280	285	
Ala Lys Lys Arg	Ile Asn Leu Ser Lys	Ile Asp Lys Phe Phe	Lys
290	295	300	
Gln Leu Gln Val	Val Pro Leu Phe Gly	Asp Met Gln Ile Glu	Leu
305	310	315	
Ala Arg Tyr Ile	Lys Thr Ser Ala His	Tyr Glu Glu Asn Lys	Ser
320	325	330	
Lys Trp Thr Cys	Thr Gln Ser Ser Ile	Ser Pro Gln Tyr Asn	Ile
335	340	345	
Cys Glu Gln Met	Val Gln Ile Arg Asp	Asp His Ile Arg Phe	Ile
350	355	360	
Ser Glu Leu Ala	Arg Tyr Ser Asn Ser	Glu Val Val Thr Gly	Ser
365	370	375	
Gly Leu Asp Ser	Gln Lys Ser Asp Glu	Glu Tyr Arg Glu Leu	Phe
380	385	390	
Asp Leu Ala Leu	Arg Gly Leu Gln Leu	Leu Ser Lys Trp Ser	Ala
395	400	405	
His Val Met Glu	Val Tyr Ser Trp Lys	Leu Val His Pro Thr	Asp
410	415	420	
Lys Phe Cys Asn	Lys Asp Cys Pro Gly	Thr Ala Glu Glu Tyr	Glu
425	430	435	
Arg Ala Thr Arg	Tyr Asn Tyr Thr Ser	Glu Glu Lys Phe Ala	Phe
440	445	450	
Val Glu Val Ile	Ala Met Ile Lys Gly	Leu Gln Val Leu Met	Gly
455	460	465	
Arg Met Glu Ser	Val Phe Asn Gln Ala	Ile Arg Asn Thr Ile	Tyr
470	475	480	
Ala Ala Leu Gln	Asp Phe Ala Gln Val	Thr Leu Arg Glu Pro	Leu
485	490	495	
Arg Gln Ala Val	Arg Lys Lys Lys Asn	Val Leu Ile Ser Val	Leu
500	505	510	
Gln Ala Ile Arg	Lys Thr Ile Cys Asp	Trp Glu Gly Gly Arg	Glu
515	520	525	
Pro Pro Asn Asp	Pro Cys Leu Arg Gly	Glu Lys Asp Pro Lys	Gly
530	535	540	
Gly Phe Asp Ile	Lys Val Pro Arg Arg	Ala Val Gly Pro Ser	Ser
545	550	555	
Thr Gln Leu Tyr	Met Val Arg Thr Met	Leu Glu Ser Leu Ile	Ala
560	565	570	
Asp Lys Ser Gly	Ser Lys Lys Thr Leu	Arg Ser Ser Leu Asp	Gly
575	580	585	
Pro Ile Val Leu	Ala Ile Glu Asp Phe	His Lys Gln Ser Phe	Phe
590	595	600	
Phe Thr His Leu	Leu Asn Ile Ser Glu	Ala Leu Gln Gln Cys	Cys
605	610	615	
Asp Leu Ser Gln	Leu Trp Phe Arg Glu	Phe Phe Leu Glu Leu	Thr
620	625	630	

Met Gly Arg Arg	Ile Gln Phe Pro	Ile Glu Met Ser Met	Pro Trp
635		640	645
Ile Leu Thr Asp	His Ile Leu Glu Thr	Lys Glu Pro Ser Met	Met
650		655	660
Glu Tyr Val Leu	Tyr Pro Leu Asp Leu	Tyr Asn Asp Ser Ala	Tyr
665		670	675
Tyr Ala Leu Thr	Lys Phe Lys Lys Gln	Phe Leu Tyr Asp Glu	Ile
680		685	690
Glu Ala Glu Val	Asn Leu Cys Phe Asp	Gln Phe Val Tyr Lys	Leu
695		700	705
Ala Asp Gln Ile	Phe Ala Tyr Tyr Lys	Ala Met Ala Gly Ser	Val
710		715	720
Leu Leu Asp Lys	Arg Phe Arg Ala Glu	Cys Lys Asn Tyr Gly	Val
725		730	735
Ile Ile Pro Tyr	Pro Pro Ser Asn Arg	Tyr Glu Thr Leu Leu	Lys
740		745	750
Gln Arg His Val	Gln Leu Leu Gly Arg	Ser Ile Asp Leu Asn	Arg
755		760	765
Leu Ile Thr Gln	Arg Ile Ser Ala Ala	Met Tyr Lys Ser Leu	Asp
770		775	780
Gln Ala Ile Ser	Arg Phe Glu Ser Glu	Asp Leu Thr Ser Ile	Val
785		790	795
Glu Leu Glu Trp	Leu Leu Glu Ile Asn	Arg Leu Thr His Arg	Leu
800		805	810
Leu Cys Lys His	Met Thr Leu Asp Ser	Phe Asp Ala Met Phe	Arg
815		820	825
Glu Ala Asn His	Asn Val Ser Ala Pro	Tyr Gly Arg Ile Thr	Leu
830		835	840
His Val Phe Trp	Glu Leu Asn Phe Asp	Phe Leu Pro Asn Tyr	Cys
845		850	855
Tyr Asn Gly Ser	Thr Asn Arg Phe Val	Arg Thr Ala Ile Pro	Phe
860		865	870
Thr Gln Glu Pro	Gln Arg Asp Lys Pro	Ala Asn Val Gln Pro	Tyr
875		880	885
Tyr Leu Tyr Gly	Ser Lys Pro Leu Asn	Ile Ala Tyr Ser His	Ile
890		895	900
Tyr Ser Ser Tyr	Arg Asn Phe Val Gly	Pro Pro His Phe Lys	Thr
905		910	915
Ile Cys Arg Leu	Leu Gly Tyr Gln Gly	Ile Ala Val Val Met	Glu
920		925	930
Glu Leu Leu Lys	Ile Val Lys Ser Leu	Leu Gln Gly Thr Ile	Leu
935		940	945
Gln Tyr Val Lys	Thr Leu Ile Glu Val	Met Pro Lys Ile Cys	Arg
950		955	960
Leu Pro Arg His	Glu Tyr Gly Ser Pro	Gly Ile Leu Glu Phe	Phe
965		970	975
His His Gln Leu	Lys Asp Ile Ile Glu	Tyr Ala Glu Leu Lys	Thr
980		985	990
Asp Val Phe Gln	Ser Leu Arg Glu Val	Gly Asn Ala Ile Leu	Phe
995		1000	1005
Cys Leu Leu Ile	Glu Gln Ala Leu Ser	Gln Glu Glu Val Cys	Asp
1010		1015	1020
Leu Leu His Ala	Ala Pro Phe Gln Asn	Ile Leu Pro Arg Val	Tyr
1025		1030	1035
Ile Lys Glu Gly	Glu Arg Leu Glu Val	Arg Met Lys Arg Leu	Glu
1040		1045	1050
Ala Lys Tyr Ala	Pro Leu His Leu Val	Pro Leu Ile Glu Arg	Leu
1055		1060	1065
Gly Thr Pro Gln	Gln Ile Ala Ile Ala	Arg Glu Gly Asp Leu	Leu
1070		1075	1080
Thr Lys Glu Arg	Leu Cys Cys Gly Leu	Ser Met Phe Glu Val	Ile
1085		1090	1095
Leu Thr Arg Ile	Arg Ser Tyr Leu Gln	Asp Pro Ile Trp Arg	Gly

1100	1105	1110
Pro Pro Pro Thr Asn Gly Val Met His Val Asp Glu Cys Val Glu		
1115	1120	1125
Phe His Arg Leu Trp Ser Ala Met Gln Phe Val Tyr Cys Ile Pro		
1130	1135	1140
Val Gly Thr Asn Glu Phe Thr Ala Glu Gln Cys Phe Gly Asp Gly		
1145	1150	1155
Leu Asn Trp Ala Gly Cys Ser Ile Ile Val Leu Leu Gly Gln Gln		
1160	1165	1170
Arg Arg Phe Asp Leu Phe Asp Phe Cys Tyr His Leu Leu Lys Val		
1175	1180	1185
Gln Arg Gln Asp Gly Lys Asp Glu Ile Ile Lys Asn Val Pro Leu		
1190	1195	1200
Lys Lys Met Ala Asp Arg Ile Arg Lys Tyr Gln Ile Leu Asn Asn		
1205	1210	1215
Glu Val Phe Ala Ile Leu Asn Lys Tyr Met Lys Ser Val Glu Thr		
1220	1225	1230
Asp Ser Ser Thr Val Glu His Val Arg Cys Phe Gln Pro Pro Ile		
1235	1240	1245
His Gln Ser Leu Ala Thr Thr Cys		
1250		

&lt;210&gt; 9

&lt;211&gt; 98

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2759876CD1

&lt;400&gt; 9

Met Ser Val Asp Met Asn Ser Gln Gly Ser Asp Ser Asn Glu Glu		
1 5 10 15		
Asp Tyr Asp Pro Asn Cys Glu Glu Glu Glu Glu Glu Asp		
20 25 30		
Asp Pro Gly Asp Ile Glu Asp Tyr Tyr Val Gly Val Ala Ser Asp		
35 40 45		
Val Glu Gln Gln Gly Ala Asp Ala Phe Asp Pro Glu Glu Tyr Gln		
50 55 60		
Phe Thr Cys Leu Thr Tyr Lys Glu Ser Glu Gly Ala Leu Asn Glu		
65 70 75		
His Met Thr Ser Leu Ala Ser Val Leu Lys Val Ser Ser Val Val		
80 85 90		
Asn Ser Ser Val Ile Pro Pro Ser		
95		

&lt;210&gt; 10

&lt;211&gt; 524

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2763735CD1

&lt;400&gt; 10

Met Glu Glu Glu Gln Asp Leu Pro Glu Gln Pro Val Lys Lys Ala		
1 5 10 15		
Lys Met Gln Glu Ser Gly Glu Gln Thr Ile Ser Gln Val Ser Asn		
20 25 30		
Pro Asp Val Ser Asp Gln Lys Pro Glu Thr Ser Ser Leu Ala Ser		
35 40 45		
Asn Leu Pro Met Ser Glu Glu Ile Met Thr Cys Thr Asp Tyr Ile		
50 55 60		



Pro	Arg	Ser	Ser	Asn	Asp	Tyr	Thr	Ser	Gln	Met	Tyr	Ser	Ala	Lys
				65					70					75
Pro	Tyr	Ala	His	Ile	Leu	Ser	Val	Pro	Val	Ser	Glu	Thr	Ala	Tyr
				80					85					90
Pro	Gly	Gln	Thr	Gln	Tyr	Gln	Thr	Leu	Gln	Gln	Thr	Gln	Pro	Tyr
				95					100					105
Ala	Val	Tyr	Pro	Gln	Ala	Thr	Gln	Thr	Tyr	Gly	Leu	Pro	Pro	Phe
				110					115					120
Ala	Ser	Ser	Thr	Asn	Ala	Ser	Leu	Ile	Ser	Thr	Ser	Ser	Thr	Ile
				125					130					135
Ala	Asn	Ile	Pro	Ala	Ala	Ala	Val	Ala	Ser	Ile	Ser	Asn	Gln	Asp
				140					145					150
Tyr	Pro	Thr	Tyr	Thr	Ile	Leu	Gly	Gln	Asn	Gln	Tyr	Gln	Ala	Cys
				155					160					165
Tyr	Pro	Ser	Ser	Ser	Phe	Gly	Val	Thr	Gly	Gln	Thr	Asn	Ser	Asp
				170					175					180
Ala	Glu	Ser	Thr	Thr	Leu	Ala	Ala	Thr	Thr	Tyr	Gln	Ser	Glu	Lys
				185					190					195
Pro	Ser	Val	Met	Ala	Pro	Ala	Pro	Ala	Ala	Gln	Arg	Leu	Ser	Ser
				200					205					210
Gly	Asp	Pro	Ser	Thr	Ser	Pro	Ser	Leu	Ser	Gln	Thr	Thr	Pro	Ser
				215					220					225
Lys	Asp	Thr	Asp	Asp	Gln	Ser	Arg	Lys	Asn	Met	Thr	Ser	Lys	Asn
				230					235					240
Arg	Gly	Lys	Arg	Lys	Ala	Asp	Ala	Thr	Ser	Ser	Gln	Asp	Ser	Glu
				245					250					255
Leu	Glu	Arg	Val	Phe	Leu	Trp	Asp	Leu	Asp	Glu	Thr	Ile	Ile	Ile
				260					265					270
Phe	His	Ser	Leu	Leu	Thr	Gly	Ser	Tyr	Ala	Gln	Lys	Tyr	Gly	Lys
				275					280					285
Asp	Pro	Thr	Val	Val	Ile	Gly	Ser	Gly	Leu	Thr	Met	Glu	Glu	Met
				290					295					300
Ile	Phe	Glu	Val	Ala	Asp	Thr	His	Leu	Phe	Phe	Asn	Asp	Leu	Glu
				305					310					315
Glu	Cys	Asp	Gln	Val	His	Val	Glu	Asp	Val	Ala	Ser	Asp	Asp	Asn
				320					325					330
Gly	Gln	Asp	Leu	Ser	Asn	Tyr	Ser	Phe	Ser	Thr	Asp	Gly	Phe	Ser
				335					340					345
Gly	Ser	Gly	Gly	Ser	Gly	Ser	His	Gly	Ser	Ser	Val	Gly	Val	Gln
				350					355					360
Gly	Gly	Val	Asp	Trp	Met	Arg	Lys	Leu	Ala	Phe	Arg	Tyr	Arg	Lys
				365					370					375
Val	Arg	Glu	Ile	Tyr	Asp	Lys	His	Lys	Ser	Asn	Val	Gly	Gly	Leu
				380					385					390
Leu	Ser	Pro	Gln	Arg	Lys	Glu	Ala	Leu	Gln	Arg	Leu	Arg	Ala	Glu
				395					400					405
Ile	Glu	Val	Leu	Thr	Asp	Ser	Trp	Leu	Gly	Thr	Ala	Leu	Lys	Ser
				410					415					420
Leu	Leu	Leu	Ile	Gln	Ser	Arg	Lys	Asn	Cys	Val	Asn	Val	Leu	Ile
				425					430					435
Thr	Thr	Thr	Gln	Leu	Val	Pro	Ala	Leu	Ala	Lys	Val	Leu	Leu	Tyr
				440					445					450
Gly	Leu	Gly	Glu	Ile	Phe	Pro	Ile	Glu	Asn	Ile	Tyr	Ser	Ala	Thr
				455					460					465
Lys	Ile	Gly	Lys	Glu	Ser	Cys	Phe	Glu	Arg	Ile	Val	Ser	Arg	Phe
				470					475					480
Gly	Lys	Lys	Val	Thr	Tyr	Val	Val	Ile	Gly	Asp	Gly	Arg	Asp	Ala
				485					490					495
Ala	Lys	Gln	His	Asn	Met	Pro	Phe	Trp	Arg	Ile	Thr	Asn	His	Gly
				500					505					510
Asp	Leu	Val	Ser	Leu	His	Gln	Ala	Leu	Glu	Leu	Asp	Phe	Leu	
				515					520					

&lt;210&gt; 11

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<220>  
<221> misc_feature  
<223> Incyte ID No: 2848676CD1
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Met	Ala	Ala	Ala	Gly	Ala	Gly	Pro	Gly	Gln	Glu	Ala	Gly	Ala	Gly
1				5					10					15
Pro	Gly	Pro	Gly	Ala	Val	Ala	Asn	Ala	Thr	Gly	Ala	Glu	Glu	Gly
				20					25					30
Glu	Met	Lys	Pro	Val	Ala	Ala	Gly	Ala	Ala	Ala	Pro	Pro	Gly	Glu
				35					40					45
Gly	Ile	Ser	Ala	Ala	Pro	Thr	Val	Glu	Pro	Ser	Ser	Gly	Glu	Ala
				50					55					60
Glu	Gly	Gly	Glu	Ala	Asn	Leu	Val	Asp	Val	Ser	Gly	Gly	Leu	Glu
				65					70					75
Thr	Glu	Ser	Ser	Asn	Gly	Lys	Asp	Thr	Leu	Glu	Gly	Ala	Gly	Asp
				80					85					90
Thr	Ser	Glu	Val	Met	Asp	Thr	Gln	Ala	Gly	Ser	Val	Asp	Glu	Glu
				95					100					105
Asn	Gly	Arg	Gln	Leu	Gly	Glu	Val	Glu	Leu	Gln	Cys	Gly	Ile	Cys
				110					115					120
Thr	Lys	Trp	Phe	Thr	Ala	Asp	Thr	Phe	Gly	Ile	Asp	Thr	Ser	Ser
				125					130					135
Cys	Leu	Pro	Phe	Met	Thr	Asn	Tyr	Ser	Phe	His	Cys	Asn	Val	Cys
				140					145					150
His	His	Ser	Gly	Asn	Thr	Tyr	Phe	Leu	Arg	Lys	Gln	Ala	Asn	Leu
				155					160					165
Lys	Glu	Met	Cys	Leu	Ser	Ala	Leu	Ala	Asn	Leu	Thr	Trp	Gln	Ser
				170					175					180
Arg	Thr	Gln	Asp	Glu	His	Pro	Lys	Thr	Met	Phe	Ser	Lys	Asp	Lys
				185					190					195
Asp	Ile	Ile	Pro	Phe	Ile	Asp	Lys	Tyr	Trp	Glu	Cys	Met	Thr	Thr
				200					205					210
Arg	Gln	Arg	Pro	Gly	Lys	Met	Thr	Trp	Pro	Asn	Asn	Ile	Val	Lys
				215					220					225
Thr	Met	Ser	Lys	Glu	Arg	Asp	Val	Phe	Leu	Val	Lys	Glu	His	Pro
				230					235					240
Asp	Pro	Gly	Ser	Lys	Asp	Pro	Glu	Glu	Asp	Tyr	Pro	Lys	Phe	Gly
				245					250					255
Leu	Leu	Asp	Gln	Asp	Leu	Ser	Asn	Ile	Gly	Pro	Ala	Tyr	Asp	Asn
				260					265					270
Gln	Lys	Gln	Ser	Ser	Ala	Val	Ser	Thr	Ser	Gly	Asn	Leu	Asn	Gly
				275					280					285
Gly	Ile	Ala	Ala	Gly	Ser	Ser	Gly	Lys	Gly	Arg	Gly	Ala	Lys	Arg
				290					295					300
Lys	Gln	Gln	Asp	Gly	Gly	Thr	Thr	Gly	Thr	Thr	Lys	Lys	Ala	Arg
				305					310					315
Ser	Asp	Pro	Leu	Phe	Ser	Ala	Gln	Arg	Leu	Pro	Pro	His	Gly	Tyr
				320					325					330
Pro	Leu	Glu	His	Pro	Phe	Asn	Lys	Asp	Gly	Tyr	Arg	Tyr	Ile	Leu
				335					340					345
Ala	Glu	Pro	Asp	Pro	His	Ala	Pro	Asp	Pro	Glu	Lys	Leu	Glu	Leu

Gly	Tyr	Ser	Met	Val	Arg	Ala	Ser	His	Gly	Val	Arg	Lys	Gly	Ala
				410					415					420
Trp	Tyr	Phe	Glu	Ile	Thr	Val	Asp	Glu	Met	Pro	Pro	Asp	Thr	Ala
				425					430					435
Ala	Arg	Leu	Gly	Trp	Ser	Gln	Pro	Leu	Gly	Asn	Leu	Gln	Ala	Pro
				440					445					450
Leu	Gly	Tyr	Asp	Lys	Phe	Ser	Tyr	Ser	Trp	Arg	Ser	Lys	Lys	Gly
				455					460					465
Thr	Lys	Phe	His	Gln	Ser	Ile	Gly	Lys	His	Tyr	Ser	Ser	Gly	Tyr
				470					475					480
Gly	Gln	Gly	Asp	Val	Leu	Gly	Phe	Tyr	Ile	Asn	Leu	Pro	Glu	Asp
				485					490					495
Thr	Glu	Thr	Ala	Lys	Ser	Leu	Pro	Asp	Thr	Tyr	Lys	Asp	Lys	Ala
				500					505					510
Leu	Ile	Lys	Phe	Lys	Ser	Tyr	Leu	Tyr	Phe	Glu	Glu	Lys	Asp	Phe
				515					520					525
Val	Asp	Lys	Ala	Glu	Lys	Ser	Leu	Lys	Gln	Thr	Pro	His	Ser	Glu
				530					535					540
Ile	Ile	Phe	Tyr	Lys	Asn	Gly	Val	Asn	Gln	Gly	Val	Ala	Tyr	Lys
				545					550					555
Asp	Ile	Phe	Glu	Gly	Val	Tyr	Phe	Pro	Ala	Ile	Ser	Leu	Tyr	Lys
				560					565					570
Ser	Cys	Thr	Val	Ser	Ile	Asn	Phe	Gly	Pro	Cys	Phe	Lys	Tyr	Pro
				575					580					585
Pro	Lys	Asp	Leu	Thr	Tyr	Arg	Pro	Met	Ser	Asp	Met	Gly	Trp	Gly
				590					595					600
Ala	Val	Val	Glu	His	Thr	Leu	Ala	Asp	Val	Leu	Tyr	His	Val	Glu
				605					610					615
Thr	Glu	Val	Asp	Gly	Arg	Arg	Ser	Pro	Pro	Trp	Glu	Pro		
				620					625					

&lt;210&gt; 12

&lt;211&gt; 259

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2956153CD1

&lt;400&gt; 12

Met	Asn	Leu	Val	Asp	Leu	Trp	Leu	Thr	Arg	Ser	Leu	Ser	Met	Cys
1				5					10					15
Leu	Leu	Leu	Gln	Ser	Phe	Val	Leu	Met	Ile	Leu	Cys	Phe	His	Ser
				20					25					30
Ala	Ser	Met	Cys	Pro	Lys	Gly	Cys	Leu	Cys	Ser	Ser	Ser	Gly	Gly
				35					40					45
Leu	Asn	Val	Thr	Cys	Ser	Asn	Ala	Asn	Leu	Lys	Glu	Ile	Pro	Arg
				50					55					60
Asp	Leu	Pro	Pro	Glu	Thr	Val	Leu	Leu	Tyr	Leu	Asp	Ser	Asn	Gln
				65					70					75
Ile	Thr	Ser	Ile	Pro	Asn	Glu	Ile	Phe	Lys	Asp	Leu	His	Gln	Leu
				80					85					90
Arg	Val	Leu	Asn	Leu	Ser	Lys	Asn	Gly	Ile	Glu	Phe	Ile	Asp	Glu
				95					100					105
His	Ala	Phe	Lys	Gly	Val	Ala	Glu	Thr	Leu	Gln	Thr	Leu	Asp	Leu
				110					115					120
Ser	Asp	Asn	Arg	Ile	Gln	Ser	Val	His	Lys	Asn	Ala	Phe	Asn	Asn
				125					130					135
Leu	Lys	Ala	Arg	Ala	Arg	Ile	Ala	Asn	Asn	Pro	Trp	His	Cys	Asp
				140					145					150
Cys	Thr	Leu	Gln	Gln	Val	Leu	Arg	Ser	Met	Ala	Ser	Asn	His	Glu
				155					160					165
Thr	Ala	His	Asn	Val	Ile	Cys	Lys	Thr	Ser	Val	Leu	Asp	Glu	His

Ala Gly Arg Pro	170	175	180
Phe Leu Asn Ala Ala	Asn Asp Ala Asp Leu Cys		
185	190	195	
Asn Leu Pro Lys	Lys Thr Thr Asp Tyr	Ala Met Leu Val Thr Met	
200	205	210	
Phe Gly Trp Phe	Thr Met Val Ile Ser	Tyr Val Val Tyr Tyr Val	
215	220	225	
Arg Gln Asn Gln	Glu Asp Ala Arg Arg	His Leu Glu Tyr Leu Lys	
230	235	240	
Ser Leu Pro Ser	Arg Gln Lys Lys Ala	Asp Glu Pro Asp Asp Ile	
245	250	255	
Ser Thr Val Val			

&lt;210&gt; 13

&lt;211&gt; 380

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3333139CD1

&lt;400&gt; 13

Met Ala Ala Pro	Trp Trp Arg Ala Ala	Leu Cys Glu Cys Arg Arg	
1	5	10	15
Trp Arg Gly Phe	Ser Thr Ser Ala Val	Leu Gly Arg Arg Thr Pro	
20	25	30	
Pro Leu Gly Pro	Met Pro Asn Ser Asp	Ile Asp Leu Ser Asn Leu	
35	40	45	
Glu Arg Leu Glu	Lys Tyr Arg Ser Phe	Asp Arg Tyr Arg Arg Arg	
50	55	60	
Ala Glu Gln Glu	Ala Gln Ala Pro His	Trp Trp Arg Thr Tyr Arg	
65	70	75	
Glu Tyr Phe Gly	Glu Lys Thr Asp Pro	Lys Glu Lys Ile Asp Ile	
80	85	90	
Gly Leu Pro Pro	Pro Lys Val Ser Arg	Thr Gln Gln Leu Leu Glu	
95	100	105	
Arg Lys Gln Ala	Ile Gln Glu Leu Arg	Ala Asn Val Glu Glu Glu	
110	115	120	
Arg Ala Ala Arg	Leu Arg Thr Ala Ser	Val Pro Leu Asp Ala Val	
125	130	135	
Arg Ala Glu Trp	Glu Arg Thr Cys Gly	Pro Tyr His Lys Gln Arg	
140	145	150	
Leu Ala Glu Tyr	Tyr Gly Leu Tyr Arg	Asp Leu Phe His Gly Ala	
155	160	165	
Thr Phe Val Pro	Arg Val Pro Leu His	Val Ala Tyr Ala Val Gly	
170	175	180	
Glu Asp Asp Leu	Met Pro Val Tyr Cys	Gly Asn Glu Val Thr Pro	
185	190	195	
Thr Glu Ala Ala	Gln Ala Pro Glu Val	Thr Tyr Glu Ala Glu Glu	
200	205	210	
Gly Ser Leu Trp	Thr Leu Leu Leu Thr	Ser Leu Asp Gly His Leu	
215	220	225	
Leu Glu Pro Asp	Ala Glu Tyr Leu His	Trp Leu Leu Thr Asn Ile	
230	235	240	
Pro Gly Asn Arg	Val Ala Glu Gly Gln	Val Thr Cys Pro Tyr Leu	
245	250	255	
Pro Pro Phe Pro	Ala Arg Gly Ser Gly	Ile His Arg Leu Ala Phe	
260	265	270	
Leu Leu Phe Lys	Gln Asp Gln Pro Ile	Asp Phe Ser Glu Asp Ala	
275	280	285	
Arg Pro Ser Pro	Cys Tyr Gln Leu Ala	Gln Arg Thr Phe Arg Thr	
290	295	300	

Phe Asp Phe Tyr Lys Lys His Gln Glu Thr Met Thr Pro Ala Gly  
 305 310 315  
 Leu Ser Phe Phe Gln Cys Arg Trp Asp Asp Ser Val Thr Tyr Ile  
 320 325 330  
 Phe His Gln Leu Leu Asp Met Arg Glu Pro Val Phe Glu Phe Val  
 335 340 345  
 Arg Pro Pro Pro Tyr His Pro Lys Gln Lys Arg Phe Pro His Arg  
 350 355 360  
 Gln Pro Leu Arg Tyr Leu Asp Arg Tyr Arg Asp Ser His Glu Pro  
 365 370 375  
 Thr Tyr Gly Ile Tyr  
 380

&lt;210&gt; 14

&lt;211&gt; 130

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3432292CD1

&lt;400&gt; 14

Met Ser Cys Gln Gln Asn Gln Gln Gln Cys Gln Pro Pro Pro Lys  
 1 5 10 15  
 Cys Pro Pro Lys Cys Pro Pro Lys Cys Pro Pro Lys Cys Arg Pro  
 20 25 30  
 Gln Cys Pro Ala Pro Cys Pro Pro Pro Val Ser Ser Cys Cys Gly  
 35 40 45  
 Pro Ser Ser Gly Gly Cys Cys Gly Ser Ser Ser Gly Gly Cys Cys  
 50 55 60  
 Ser Ser Gly Gly Gly Gly Cys Cys Leu Ser His His Arg Pro Arg  
 65 70 75  
 Leu Phe His Arg His Arg His Gln Ser Pro Asp Cys Cys Glu Ser  
 80 85 90  
 Glu Leu Leu Gly Ala Leu Ala Ala Ser Thr Ala Leu Gly Thr Ala  
 95 100 105  
 Ala Asp Gln Thr Ser Asn Ile Thr Glu Gln Ala Phe Met Glu Lys  
 110 115 120  
 Thr Cys Lys Arg Gly Thr Cys Pro Gln Glu  
 125 130

&lt;210&gt; 15

&lt;211&gt; 761

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3478571CD1

&lt;400&gt; 15

Met Ser Leu Arg Ile Asp Val Asp Thr Asn Phe Pro Glu Cys Val  
 1 5 10 15  
 Val Asp Ala Gly Lys Val Thr Leu Gly Thr Gln Gln Arg Gln Glu  
 20 25 30  
 Met Asp Pro Arg Leu Arg Glu Lys Gln Asn Glu Ile Ile Leu Arg  
 35 40 45  
 Ala Val Cys Ala Leu Leu Asn Ser Gly Gly Gly Ile Ile Lys Ala  
 50 55 60  
 Glu Ile Glu Asn Lys Gly Tyr Asn Tyr Glu Arg His Gly Val Gly  
 65 70 75  
 Leu Asp Val Pro Pro Ile Phe Arg Ser His Leu Asp Lys Met Gln  
 80 85 90  
 Lys Glu Asn His Phe Leu Ile Phe Val Lys Ser Trp Asn Thr Glu

	95		100		105
Ala Gly Val Pro	Leu Ala Thr Leu Cys Ser	Asn Leu Tyr His	Arg		
	110		115		120
Glu Arg Thr Ser	Thr Asp Val Met Asp	Ser Gln Glu Ala Leu	Ala		
	125		130		135
Phe Leu Lys Cys	Arg Thr Gln Thr Pro	Thr Asn Ile Asn Val	Ser		
	140		145		150
Asn Ser Leu Gly	Pro Gln Ala Ala Gln	Gly Ser Val Gln Tyr	Glu		
	155		160		165
Gly Asn Ile Asn	Val Ser Ala Ala Ala	Leu Phe Asp Arg Lys	Arg		
	170		175		180
Leu Gln Tyr Leu	Glu Lys Leu Asn Leu	Pro Glu Ser Thr His	Val		
	185		190		195
Glu Phe Val Met	Phe Ser Thr Asp Val	Ser His Cys Val Lys	Asp		
	200		205		210
Arg Leu Pro Lys	Cys Val Ser Ala Phe	Ala Asn Thr Glu Gly	Gly		
	215		220		225
Tyr Val Phe Phe	Gly Val His Asp Glu	Thr Cys Gln Val Ile	Gly		
	230		235		240
Cys Glu Lys Glu	Lys Ile Asp Leu Thr	Ser Leu Arg Ala Ser	Ile		
	245		250		255
Asp Gly Cys Ile	Lys Lys Leu Pro Val	His His Phe Cys Thr	Gln		
	260		265		270
Arg Pro Glu Ile	Lys Tyr Val Leu Asn	Phe Leu Glu Val His	Asp		
	275		280		285
Lys Gly Ala Leu	Arg Gly Tyr Val Cys	Ala Ile Lys Val Glu	Lys		
	290		295		300
Phe Cys Cys Ala	Val Phe Ala Lys Val	Pro Ser Ser Trp Gln	Val		
	305		310		315
Lys Asp Asn Arg	Val Arg Gln Leu Pro	Thr Arg Glu Trp Thr	Ala		
	320		325		330
Trp Met Met Glu	Ala Asp Pro Asp Leu	Ser Arg Cys Pro Glu	Met		
	335		340		345
Val Leu Gln Leu	Ser Leu Ser Ser Ala	Thr Pro Arg Ser Lys	Pro		
	350		355		360
Val Cys Ile His	Lys Asn Ser Glu Cys	Leu Lys Glu Gln Gln	Lys		
	365		370		375
Arg Tyr Phe Pro	Val Phe Ser Asp Arg	Val Val Tyr Thr Pro	Glu		
	380		385		390
Ser Leu Tyr Lys	Glu Leu Phe Ser Gln	His Lys Gly Leu Arg	Asp		
	395		400		405
Leu Ile Asn Thr	Glu Met Arg Pro Phe	Ser Gln Gly Ile Leu	Ile		
	410		415		420
Phe Ser Gln Ser	Trp Ala Val Asp Leu	Gly Leu Gln Glu Lys	Gln		
	425		430		435
Gly Val Ile Cys	Asp Ala Leu Leu Ile	Ser Gln Asn Asn Thr	Pro		
	440		445		450
Ile Leu Tyr Thr	Ile Phe Ser Lys Trp	Asp Ala Gly Cys Lys	Gly		
	455		460		465
Tyr Ser Met Ile	Val Ala Tyr Ser Leu	Lys Gln Lys Leu Val	Asn		
	470		475		480
Lys Gly Gly Tyr	Thr Gly Arg Leu Cys	Ile Thr Pro Leu Val	Cys		
	485		490		495
Val Leu Asn Ser	Asp Arg Lys Ala Gln	Ser Val Tyr Ser Ser	Tyr		
	500		505		510
Leu Gln Ile Tyr	Pro Glu Ser Tyr Asn	Phe Met Thr Pro Gln	His		
	515		520		525
Met Glu Ala Leu	Leu Gln Ser Leu Val	Ile Val Leu Leu Gly	Phe		
	530		535		540
Lys Ser Phe Leu	Ser Glu Glu Leu Gly	Ser Glu Val Leu Asn	Leu		
	545		550		555
Leu Thr Asn Lys	Gln Tyr Glu Leu Leu	Ser Lys Asn Leu Arg	Lys		
	560		565		570

Thr	Arg	Glu	Leu	Phe	Val	His	Gly	Leu	Pro	Gly	Ser	Gly	Lys	Thr
				575					580					585
Ile	Leu	Ala	Leu	Arg	Ile	Met	Glu	Lys	Ile	Arg	Asn	Val	Phe	His
				590					595					600
Cys	Glu	Pro	Ala	Asn	Ile	Leu	Tyr	Ile	Cys	Glu	Asn	Gln	Pro	Leu
				605					610					615
Lys	Lys	Leu	Val	Ser	Phe	Ser	Lys	Lys	Asn	Ile	Cys	Gln	Pro	Val
				620					625					630
Thr	Arg	Lys	Thr	Phe	Met	Lys	Asn	Asn	Phe	Glu	His	Ile	Gln	His
				635					640					645
Ile	Ile	Ile	Asp	Asp	Ala	Gln	Asn	Phe	Arg	Thr	Glu	Asp	Gly	Asp
				650					655					660
Trp	Tyr	Gly	Lys	Ala	Lys	Phe	Ile	Thr	Gln	Thr	Ala	Arg	Asp	Gly
				665					670					675
Pro	Gly	Val	Leu	Trp	Ile	Phe	Leu	Asp	Tyr	Phe	Gln	Thr	Tyr	His
				680					685					690
Leu	Ser	Cys	Ser	Gly	Leu	Pro	Pro	Pro	Ser	Asp	Gln	Tyr	Pro	Arg
				695					700					705
Glu	Glu	Ile	Asn	Arg	Val	Val	Arg	Asn	Ala	Gly	Pro	Ile	Ala	Asn
				710					715					720
Tyr	Leu	Gln	Gln	Val	Met	Gln	Glu	Ala	Arg	Gln	Asn	Pro	Pro	Pro
				725					730					735
Asn	Leu	Pro	Pro	Gly	Ser	Leu	Val	Met	Leu	Tyr	Glu	Pro	Lys	Trp
				740					745					750
Ala	Gln	Gly	Cys	Pro	Arg	Gln	Leu	Arg	Asp	Tyr				
				755					760					

&lt;210&gt; 16

&lt;211&gt; 197

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3495166CD1

&lt;400&gt; 16

Met	Ser	Ser	Ala	Pro	Ala	Ser	Gly	Pro	Ala	Pro	Ala	Ser	Leu	Thr
1				5					10					15
Leu	Trp	Asp	Glu	Glu	Asp	Phe	Gln	Gly	Arg	Arg	Cys	Arg	Leu	Leu
				20					25					30
Ser	Asp	Cys	Ala	Asn	Val	Cys	Glu	Arg	Gly	Gly	Leu	Pro	Arg	Val
				35					40					45
Arg	Ser	Val	Lys	Val	Glu	Asn	Gly	Val	Trp	Val	Ala	Phe	Glu	Tyr
				50					55					60
Pro	Asp	Phe	Gln	Gly	Gln	Gln	Phe	Ile	Leu	Glu	Lys	Gly	Asp	Tyr
				65					70					75
Pro	Arg	Trp	Ser	Ala	Trp	Ser	Gly	Ser	Ser	Ser	His	Asn	Ser	Asn
				80					85					90
Gln	Leu	Leu	Ser	Phe	Arg	Pro	Val	Leu	Cys	Ala	Asn	His	Asn	Asp
				95					100					105
Ser	Arg	Val	Thr	Leu	Phe	Glu	Gly	Asp	Asn	Phe	Gln	Gly	Cys	Lys
				110					115					120
Phe	Asp	Leu	Val	Asp	Asp	Tyr	Pro	Ser	Leu	Pro	Ser	Met	Gly	Trp
				125					130					135
Ala	Ser	Lys	Asp	Val	Gly	Ser	Leu	Lys	Val	Ser	Ser	Gly	Ala	Trp
				140					145					150
Val	Ala	Tyr	Gln	Tyr	Pro	Gly	Tyr	Arg	Gly	Tyr	Gln	Tyr	Val	Leu
				155					160					165
Glu	Arg	Asp	Arg	His	Ser	Gly	Glu	Phe	Cys	Thr	Tyr	Gly	Glu	Leu
				170					175					180
Gly	Thr	Gln	Ala	His	Thr	Gly	Gln	Leu	Gln	Ser	Ile	Arg	Arg	Val
				185					190					195

Gln His

<210> 17  
 <211> 339  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 3554748CD1

<400> 17  
 Met Pro Glu Cys Trp Asp Gly Glu His Asp Ile Glu Thr Pro Tyr  
 1 5 10 15  
 Gly Leu Leu His Val Val Ile Arg Gly Ser Pro Lys Gly Asn Arg  
 20 25 30  
 Pro Ala Ile Leu Thr Tyr His Asp Val Gly Leu Asn His Lys Leu  
 35 40 45  
 Cys Phe Asn Thr Phe Phe Asn Phe Glu Asp Met Gln Glu Ile Thr  
 50 55 60  
 Lys His Phe Val Val Cys His Val Asp Ala Pro Gly Gln Gln Val  
 65 70 75  
 Gly Ala Ser Gln Phe Pro Gln Gly Tyr Gln Phe Pro Ser Met Glu  
 80 85 90  
 Gln Leu Ala Ala Met Leu Pro Ser Val Val Gln His Phe Gly Phe  
 95 100 105  
 Lys Tyr Val Ile Gly Ile Gly Val Gly Ala Gly Ala Tyr Val Leu  
 110 115 120  
 Ala Lys Phe Ala Leu Ile Phe Pro Asp Leu Val Glu Gly Leu Val  
 125 130 135  
 Leu Val Asn Ile Asp Pro Asn Gly Lys Gly Trp Ile Asp Trp Ala  
 140 145 150  
 Ala Thr Lys Leu Ser Gly Leu Thr Ser Thr Leu Pro Asp Thr Val  
 155 160 165  
 Leu Ser His Leu Phe Ser Gln Glu Glu Leu Val Asn Asn Thr Glu  
 170 175 180  
 Leu Val Gln Ser Tyr Arg Gln Gln Ile Gly Asn Val Val Asn Gln  
 185 190 195  
 Ala Asn Leu Gln Leu Phe Trp Asn Met Tyr Asn Ser Arg Arg Asp  
 200 205 210  
 Leu Asp Ile Asn Arg Pro Gly Thr Val Pro Asn Ala Lys Thr Leu  
 215 220 225  
 Arg Cys Pro Val Met Leu Val Val Gly Asp Asn Ala Pro Ala Glu  
 230 235 240  
 Asp Gly Val Val Glu Cys Asn Ser Lys Leu Asp Pro Thr Thr Thr  
 245 250 255  
 Thr Phe Leu Lys Met Ala Asp Ser Gly Gly Leu Pro Gln Val Thr  
 260 265 270  
 Gln Pro Gly Lys Leu Thr Glu Ala Phe Lys Tyr Phe Leu Gln Gly  
 275 280 285  
 Met Gly Tyr Met Pro Ser Ala Ser Met Thr Arg Leu Ala Arg Ser  
 290 295 300  
 Arg Thr Ala Ser Leu Thr Ser Ala Ser Ser Val Asp Gly Ser Arg  
 305 310 315  
 Pro Gln Ala Cys Thr His Ser Glu Ser Ser Glu Gly Leu Gly Gln  
 320 325 330  
 Val Asn His Thr Met Glu Val Ser Cys  
 335

<210> 18  
 <211> 109  
 <212> PRT  
 <213> Homo sapiens

<220>



<221> misc\_feature  
 <223> Incyte ID No: 3555629CD1

<400> 18

Met	Glu	Arg	Gln	Gln	Gln	Gln	Gln	Gln	Leu	Arg	Asn	Leu	Arg	
1			5					10					15	
Asp	Phe	Leu	Leu	Val	Tyr	Asn	Arg	Met	Thr	Glu	Leu	Cys	Phe	Gln
			20					25					30	
Arg	Cys	Val	Pro	Ser	Leu	His	His	Arg	Ala	Leu	Asp	Ala	Glu	Glu
			35					40					45	
Glu	Ala	Cys	Val	Pro	Ser	Cys	Ala	Gly	Lys	Leu	Ile	His	Ser	Asn
			50					55					60	
His	Arg	Leu	Met	Ala	Ala	Tyr	Val	Gln	Leu	Met	Pro	Ala	Leu	Val
			65					70					75	
Gln	Arg	Arg	Ile	Ala	Asp	Tyr	Glu	Ala	Ala	Ser	Ala	Val	Pro	Gly
			80					85					90	
Val	Ala	Ala	Glu	Gln	Pro	Gly	Val	Ser	Pro	Ser	Gly	Ser	Ser	Asp
			95					100					105	
Unk	Unk	Unk	Unk											

<210> 19  
 <211> 131  
 <212> PRT  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <223> Incyte ID No: 639636CD1

<400> 19

Met	Thr	Lys	Lys	Lys	Val	Ser	Gln	Lys	Lys	Gln	Arg	Gly	Arg	Pro
1			5					10						15
Ser	Ser	Gln	Pro	Arg	Arg	Asn	Ile	Val	Gly	Cys	Arg	Ile	Ser	His
			20					25					30	
Gly	Trp	Lys	Glu	Gly	Asp	Glu	Pro	Ile	Thr	Gln	Trp	Lys	Gly	Thr
			35					40					45	
Val	Leu	Asp	Gln	Leu	Leu	Asp	Asp	Tyr	Lys	Glu	Gly	Asp	Leu	Arg
			50					55					60	
Ile	Met	Pro	Glu	Ser	Ser	Glu	Ser	Pro	Pro	Thr	Glu	Arg	Glu	Pro
			65					70					75	
Gly	Gly	Val	Val	Asp	Gly	Leu	Ile	Gly	Lys	His	Val	Glu	Tyr	Thr
			80					85					90	
Lys	Glu	Asp	Gly	Ser	Lys	Arg	Ile	Gly	Met	Val	Ile	His	Gln	Val
			95					100					105	
Glu	Ala	Lys	Pro	Ser	Val	Tyr	Phe	Ile	Lys	Phe	Asp	Asp	Asp	Phe
			110					115					120	
His	Ile	Tyr	Val	Tyr	Asp	Leu	Val	Lys	Lys	Ser				
			125					130						

<210> 20  
 <211> 194  
 <212> PRT  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <223> Incyte ID No: 902218CD1

<400> 20

Met	Gly	Ala	Asn	Gln	Leu	Val	Val	Leu	Asn	Val	Tyr	Asp	Met	Tyr
1			5					10						15
Trp	Met	Asn	Glu	Tyr	Thr	Ser	Ser	Ile	Gly	Ile	Gly	Val	Phe	His
			20					25					30	
Ser	Gly	Ile	Glu	Val	Tyr	Gly	Arg	Glu	Phe	Ala	Tyr	Gly	Gly	His

	35		40		45
Pro Tyr Pro Phe Ser Gly Ile Phe Glu Ile Ser Pro Gly Asn Ala					
	50		55		60
Ser Glu Leu Gly Glu Thr Phe Lys Phe Lys Glu Ala Val Val Leu					
	65		70		75
Gly Ser Thr Asp Phe Leu Glu Asp Asp Ile Glu Lys Ile Val Glu					
	80		85		90
Glu Leu Gly Lys Glu Tyr Lys Gly Asn Ala Tyr His Leu Met His					
	95		100		105
Lys Asn Cys Asn His Phe Ser Ser Ala Leu Ser Glu Ile Leu Cys					
	110		115		120
Gly Lys Glu Ile Pro Arg Trp Ile Asn Arg Leu Ala Tyr Phe Ser					
	125		130		135
Ser Cys Ile Pro Phe Leu Gln Ser Cys Leu Pro Lys Glu Trp Leu					
	140		145		150
Thr Pro Ala Ala Leu Gln Ser Ser Val Ser Gln Glu Leu Gln Asp					
	155		160		165
Glu Leu Glu Glu Ala Glu Asp Ala Ala Ala Ser Ala Ser Val Ala					
	170		175		180
Ser Thr Ala Ala Gly Ser Arg Pro Gly Arg His Thr Lys Leu					
	185		190		

&lt;210&gt; 21

&lt;211&gt; 184

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1360522CD1

&lt;400&gt; 21

Met Ala Thr Ala Leu Ala Leu Arg Ser Leu Tyr Arg Ala Arg Pro					
1	5		10		15
Ser Leu Arg Cys Pro Pro Val Glu Leu Pro Trp Ala Pro Arg Arg					
	20		25		30
Gly His Arg Leu Ser Pro Ala Asp Asp Glu Leu Tyr Gln Arg Thr					
	35		40		45
Arg Ile Ser Leu Leu Gln Arg Glu Ala Ala Gln Ala Met Tyr Ile					
	50		55		60
Asp Ser Tyr Asn Ser Arg Gly Phe Met Ile Asn Gly Asn Arg Val					
	65		70		75
Leu Gly Pro Cys Ala Leu Leu Pro His Ser Val Val Gln Trp Asn					
	80		85		90
Val Gly Ser His Gln Asp Ile Thr Glu Asp Ser Phe Ser Leu Phe					
	95		100		105
Trp Leu Leu Glu Pro Arg Ile Glu Ile Val Val Gly Thr Gly					
	110		115		120
Asp Arg Thr Glu Arg Leu Gln Ser Gln Val Leu Gln Ala Met Arg					
	125		130		135
Gln Arg Gly Ile Ala Val Glu Val Gln Asp Thr Pro Asn Ala Cys					
	140		145		150
Ala Thr Phe Asn Phe Leu Cys His Glu Gly Arg Val Thr Gly Ala					
	155		160		165
Ala Leu Ile Pro Pro Pro Gly Gly Thr Ser Leu Thr Ser Leu Gly					
	170		175		180
Gln Ala Ala Gln					

&lt;210&gt; 22

&lt;211&gt; 528

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1400678CD1

&lt;400&gt; 22

Met	Ala	Ser	Met	Arg	Glu	Ser	Asp	Thr	Gly	Leu	Trp	Leu	His	Asn
1				5					10					15
Lys	Leu	Gly	Ala	Thr	Asp	Glu	Leu	Trp	Ala	Pro	Pro	Ser	Ile	Ala
				20					25					30
Ser	Leu	Leu	Thr	Ala	Ala	Val	Ile	Asp	Asn	Ile	Arg	Leu	Cys	Phe
				35					40					45
His	Gly	Leu	Ser	Ser	Ala	Val	Lys	Leu	Lys	Leu	Leu	Leu	Gly	Thr
				50					55					60
Leu	His	Leu	Pro	Arg	Arg	Thr	Val	Asp	Glu	Met	Lys	Gly	Ala	Leu
				65					70					75
Met	Glu	Ile	Ile	Gln	Leu	Ala	Ser	Leu	Asp	Ser	Asp	Pro	Trp	Val
				80					85					90
Leu	Met	Val	Ala	Asp	Ile	Leu	Lys	Ser	Phe	Pro	Asp	Thr	Gly	Ser
				95					100					105
Leu	Asn	Leu	Glu	Leu	Glu	Glu	Gln	Asn	Pro	Asn	Val	Gln	Asp	Ile
				110					115					120
Leu	Gly	Glu	Leu	Arg	Glu	Lys	Val	Gly	Glu	Cys	Glu	Ala	Ser	Ala
				125					130					135
Met	Leu	Pro	Leu	Glu	Cys	Gln	Tyr	Leu	Asn	Lys	Asn	Ala	Leu	Thr
				140					145					150
Thr	Leu	Ala	Gly	Pro	Leu	Thr	Pro	Pro	Val	Lys	His	Phe	Gln	Leu
				155					160					165
Lys	Arg	Lys	Pro	Lys	Ser	Ala	Thr	Leu	Arg	Ala	Glu	Leu	Leu	Gln
				170					175					180
Lys	Ser	Thr	Glu	Thr	Ala	Gln	Gln	Leu	Lys	Arg	Ser	Ala	Gly	Val
				185					190					195
Pro	Phe	His	Ala	Lys	Gly	Arg	Gly	Leu	Leu	Arg	Lys	Met	Asp	Thr
				200					205					210
Thr	Thr	Pro	Leu	Lys	Gly	Ile	Pro	Lys	Gln	Ala	Pro	Phe	Arg	Ser
				215					220					225
Pro	Thr	Ala	Pro	Ser	Val	Phe	Ser	Pro	Thr	Gly	Asn	Arg	Thr	Pro
				230					235					240
Ile	Pro	Pro	Ser	Arg	Thr	Leu	Leu	Arg	Lys	Glu	Arg	Gly	Val	Lys
				245					250					255
Leu	Leu	Asp	Ile	Ser	Glu	Leu	Asp	Met	Val	Gly	Ala	Gly	Arg	Glu
				260					265					270
Ala	Lys	Arg	Arg	Arg	Lys	Thr	Leu	Asp	Ala	Glu	Val	Val	Glu	Lys
				275					280					285
Pro	Ala	Lys	Glu	Glu	Thr	Val	Val	Glu	Asn	Ala	Thr	Pro	Asp	Tyr
				290					295					300
Ala	Ala	Gly	Leu	Val	Ser	Thr	Gln	Lys	Leu	Gly	Ser	Leu	Asn	Asn
				305					310					315
Glu	Pro	Ala	Leu	Pro	Ser	Thr	Ser	Tyr	Leu	Pro	Ser	Thr	Pro	Ser
				320					325					330
Val	Val	Pro	Ala	Ser	Ser	Tyr	Ile	Pro	Ser	Ser	Glu	Thr	Pro	Pro
				335					340					345
Ala	Pro	Ser	Ser	Arg	Glu	Ala	Ser	Arg	Pro	Pro	Glu	Glu	Pro	Ser
				350					355					360
Ala	Pro	Ser	Pro	Thr	Leu	Pro	Ala	Gln	Phe	Lys	Gln	Arg	Ala	Pro
				365					370					375
Met	Tyr	Asn	Ser	Gly	Leu	Ser	Pro	Ala	Thr	Pro	Thr	Pro	Ala	Ala
				380					385					390
Pro	Thr	Ser	Pro	Leu	Thr	Pro	Thr	Thr	Pro	Pro	Ala	Val	Ala	Pro
				395					400					405
Thr	Thr	Gln	Thr	Pro	Pro	Val	Ala	Met	Val	Ala	Pro	Gln	Thr	Gln
				410					415					420
Ala	Pro	Ala	Gln	Gln	Gln	Pro	Lys	Lys	Asn	Leu	Ser	Leu	Thr	Arg
				425					430					435
Glu	Gln	Met	Phe	Ala	Ala	Gln	Glu	Met	Phe	Lys	Thr	Ala	Asn	Lys

Val Thr Arg Pro	440	Leu Gly Phe Met Ala Gly	445	450
	455		460	465
Ser Arg Glu Asn	470	Pro Cys Gln Glu Gln Gly Asp Val Ile Gln Ile	475	480
Lys Leu Ser Glu	485	His Thr Glu Asp Leu Pro Lys Ala Asp Gly Gln	490	495
Gly Ser Thr Thr	500	Met Leu Val Asp Thr Val Phe Glu Met Asn Tyr	505	510
Ala Thr Gly Gln	515	Trp Thr Arg Phe Lys Lys Tyr Lys Pro Met Thr	520	525
Asn Val Ser				

&lt;210&gt; 23

&lt;211&gt; 298

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1435556CD1

&lt;400&gt; 23

Met Thr Thr Ile Tyr	1	Asp Leu Lys Lys Gln Lys Asp Lys Leu Leu	10	15
Lys Phe Tyr Ala Glu	20	Ser Asp Glu Gln Ile Leu Met Lys Asn Arg	25	30
Lys Thr Leu His Lys	35	Ala Lys Asn Glu Asp Leu Asp Arg Val Leu	40	45
Lys Glu Trp Ile Arg	50	Gln Arg Arg Ser Glu His Met Pro Leu Asn	55	60
Gly Met Leu Ile Met	65	Lys Gln Ala Lys Ile Tyr His Asn Glu Leu	70	75
Lys Ile Glu Gly Asn	80	Cys Glu Tyr Ser Thr Gly Trp Leu Gln Lys	85	90
Phe Lys Lys Arg His	95	Gly Ile Lys Phe Leu Lys Thr Cys Gly Asn	100	105
Lys Ala Ser Ala Gly	110	His Glu Ala Thr Glu Lys Phe Thr Gly Asn	115	120
Phe Ser Asn Asp Asp	125	Glu Gln Asp Gly Asn Phe Glu Gly Phe Ser	130	135
Met Ser Ser Glu Lys	140	Lys Lys Ile Met Ser Asp Leu Leu Thr Tyr Thr	145	150
Lys Asn Ile His Pro	155	Glu Thr Val Ser Lys Leu Glu Glu Glu Asp	160	165
Ile Lys Asp Val Phe	170	Asn Ser Asn Asn Glu Ala Pro Val Val His	175	180
Ser Leu Ser Asn Gly	185	Glu Val Thr Lys Met Val Leu Asn Gln Asp	190	195
Asp His Asp Asp Asn	200	Asp Asn Glu Asp Asp Val Asn Thr Ala Glu	205	210
Lys Val Pro Ile Asp	215	Asp Met Val Lys Met Cys Asp Gly Leu Ile	220	225
Lys Gly Leu Glu Gln	230	His Ala Phe Ile Thr Glu Gln Glu Ile Met	235	240
Ser Val Tyr Lys Ile	245	Lys Glu Arg Leu Leu Arg Gln Lys Ala Ser	250	255
Leu Met Arg Gln Met	260	Thr Leu Lys Glu Thr Phe Lys Lys Ala Ile	265	270
Gln Arg Asn Ala Ser	275	Ser Ser Ser Leu Gln Asp Pro Leu Leu Gly Pro	280	285
Ser Thr Ala Ser Asp	290	Ala Ser Ser His Leu Lys Ile Lys	295	

<210> 24  
 <211> 630  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 1546633CD1

<400> 24  
 Met Pro Gln Gln Gln His Lys Val Ser Pro Ala Ser Glu Ser Pro  
 1 5 10 15  
 Phe Ser Glu Glu Glu Ser Arg Glu Phe Asn Pro Ser Ser Ser Gly  
 20 25 30  
 Arg Ser Ala Arg Thr Val Ser Ser Asn Ser Phe Cys Ser Asp Asp  
 35 40 45  
 Thr Gly Cys Pro Ser Ser Gln Ser Val Ser Pro Val Lys Thr Pro  
 50 55 60  
 Ser Asp Ala Gly Asn Ser Pro Ile Gly Phe Cys Pro Gly Ser Asp  
 65 70 75  
 Glu Gly Phe Thr Arg Lys Lys Cys Thr Ile Gly Met Val Gly Glu  
 80 85 90  
 Gly Ser Ile Gln Ser Ser Arg Tyr Lys Lys Glu Ser Lys Ser Gly  
 95 100 105  
 Leu Val Lys Pro Gly Ser Glu Ala Asp Phe Ser Ser Ser Ser Ser  
 110 115 120  
 Thr Gly Ser Ile Ser Ala Pro Glu Val His Met Ser Thr Ala Gly  
 125 130 135  
 Ser Lys Arg Ser Ser Ser Arg Asn Arg Gly Pro His Gly Arg  
 140 145 150  
 Ser Asn Gly Ala Ser Ser His Lys Pro Gly Ser Ser Pro Ser Ser  
 155 160 165  
 Pro Arg Glu Lys Asp Leu Leu Ser Met Leu Cys Arg Asn Gln Leu  
 170 175 180  
 Ser Pro Val Asn Ile His Pro Ser Tyr Ala Pro Ser Ser Pro Ser  
 185 190 195  
 Ser Ser Asn Ser Gly Ser Tyr Lys Gly Ser Asp Cys Ser Pro Ile  
 200 205 210  
 Met Arg Arg Ser Gly Arg Tyr Met Ser Cys Gly Glu Asn His Gly  
 215 220 225  
 Val Arg Pro Pro Asn Pro Glu Gln Tyr Leu Thr Pro Leu Gln Gln  
 230 235 240  
 Lys Glu Val Thr Val Arg His Leu Lys Ile Lys Leu Lys Glu Ser  
 245 250 255  
 Glu Arg Arg Leu His Glu Arg Glu Ser Glu Ile Val Glu Leu Lys  
 260 265 270  
 Ser Gln Leu Ala Arg Met Arg Glu Asp Trp Ile Glu Glu Glu Cys  
 275 280 285  
 His Arg Val Glu Ala Gln Leu Ala Leu Lys Glu Ala Arg Lys Glu  
 290 295 300  
 Ile Lys Gln Leu Lys Gln Val Ile Glu Thr Met Arg Ser Ser Leu  
 305 310 315  
 Ala Asp Lys Asp Lys Gly Ile Gln Lys Tyr Phe Val Asp Ile Asn  
 320 325 330  
 Ile Gln Asn Lys Lys Leu Glu Ser Leu Leu Gln Ser Met Glu Met  
 335 340 345  
 Ala His Ser Gly Ser Leu Arg Asp Glu Leu Cys Leu Asp Phe Pro  
 350 355 360  
 Cys Asp Ser Pro Glu Lys Ser Leu Thr Leu Asn Pro Pro Leu Asp  
 365 370 375  
 Thr Met Ala Asp Gly Leu Ser Leu Glu Glu Gln Val Thr Gly Glu  
 380 385 390  
 Gly Ala Asp Arg Glu Leu Leu Val Gly Asp Ser Ile Ala Asn Ser

	395		400		405
Thr Asp Leu Phe	Asp Glu Ile Val Thr	Ala Thr Thr Thr Glu	Ser		
	410		415		420
Gly Asp Leu Glu	Leu Val His Ser Thr	Pro Gly Ala Asn Val	Leu		
	425		430		435
Glu Leu Leu Pro	Ile Val Met Gly Gln	Glu Glu Gly Ser Val	Val		
	440		445		450
Val Glu Arg Ala	Val Gln Thr Asp Val	Val Pro Tyr Ser Pro	Ala		
	455		460		465
Ile Ser Glu Leu	Ile Gln Ser Val Leu	Gln Lys Leu Gln Asp	Pro		
	470		475		480
Cys Pro Ser Ser	Leu Ala Ser Pro Asp	Glu Ser Glu Pro Asp	Ser		
	485		490		495
Met Glu Ser Phe	Pro Glu Ser Leu Ser	Ala Leu Val Val Asp	Leu		
	500		505		510
Thr Pro Arg Asn	Pro Asn Ser Ala Ile	Leu Leu Ser Pro Val	Glu		
	515		520		525
Thr Pro Tyr Ala	Asn Val Asp Ala Glu	Val His Ala Asn Arg	Leu		
	530		535		540
Met Arg Glu Leu	Asp Phe Ala Ala Cys	Val Glu Glu Arg Leu	Asp		
	545		550		555
Gly Val Ile Pro	Leu Ala Arg Gly Gly	Val Val Arg Gln Tyr	Trp		
	560		565		570
Ser Ser Ser Phe	Leu Val Asp Leu Leu	Ala Val Ala Ala Pro	Val		
	575		580		585
Val Pro Thr Val	Leu Trp Ala Phe Ser	Thr Gln Arg Gly Gly	Thr		
	590		595		600
Asp Pro Val Tyr	Asn Ile Gly Ala Leu	Leu Arg Gly Cys Cys	Val		
	605		610		615
Val Ala Leu His	Ser Leu Arg Arg Thr	Ala Phe Arg Ile Lys	Thr		
	620		625		630

&lt;210&gt; 25

&lt;211&gt; 339

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1794031CD1

&lt;400&gt; 25

Met Asp Glu Asp	Leu Ser Ala Ser Gln	Asp His Ser Gln Ala	Val
1	5	10	15
Thr Leu Ile Gln	Glu Lys Met Thr Leu	Phe Lys Ser Leu Met	Asp
	20	25	30
Arg Phe Glu His	His Ser Asn Ile Leu	Leu Thr Phe Glu Asn	Lys
	35	40	45
Asp Glu Asn His	Leu Pro Leu Val Pro	Pro Asn Lys Leu Glu	Glu
	50	55	60
Met Lys Arg Arg	Ile Asn Asn Ile Leu	Glu Lys Lys Phe Ile	Leu
	65	70	75
Leu Leu Glu Phe	His Tyr Tyr Lys Cys	Leu Val Leu Gly Leu	Val
	80	85	90
Asp Glu Val Lys	Ser Lys Leu Asp Ile	Trp Asn Ile Lys Tyr	Gly
	95	100	105
Ser Arg Glu Ser	Val Glu Leu Leu Leu	Glu Asp Trp His Lys	Phe
	110	115	120
Ile Glu Glu Lys	Glu Phe Leu Ala Arg	Leu Asp Thr Ser Phe	Gln
	125	130	135
Lys Cys Gly Glu	Ile Tyr Lys Asn Leu	Ala Gly Glu Cys Gln	Asn
	140	145	150
Ile Asn Lys Gln	Tyr Met Met Val Lys	Ser Asp Val Cys Met	Tyr

Arg	Lys	Asn	Ile	155	Tyr	Asn	Val	Lys	Ser	160	Thr	Leu	Gln	Lys	Val	165	Leu
Ala	Cys	Trp	Ala	170	Thr	Tyr	Val	Glu	Asn	175	Leu	Arg	Leu	Leu	Arg	180	Ala
Cys	Phe	Glu	Glu	185	Thr	Lys	Lys	Glu	Glu	190	Ile	Lys	Glu	Val	Pro	195	Phe
Glu	Thr	Leu	Ala	200	Gln	Trp	Asn	Leu	Glu	205	His	Ala	Thr	Leu	Asn	210	Glu
Ala	Gly	Asn	Phe	215	Leu	Val	Glu	Val	Ser	220	Asn	Asp	Val	Val	Gly	225	Ser
Ser	Ile	Ser	Lys	230	Glu	Leu	Arg	Arg	Leu	235	Asn	Lys	Arg	Trp	Arg	240	Lys
Leu	Val	Ser	Lys	245	Thr	Gln	Leu	Glu	Met	250	Asn	Leu	Pro	Leu	Met	255	Ile
Lys	Lys	Gln	Asp	260	Gln	Pro	Thr	Phe	Asp	265	Asn	Ser	Gly	Asn	Ile	270	Leu
Ser	Lys	Glu	Glu	275	Lys	Ala	Thr	Val	Glu	280	Phe	Ser	Thr	Asp	Met	285	Ser
Val	Glu	Leu	Pro	290	Glu	Asn	Tyr	Asn	Gln	295	Asn	Ile	Lys	Ala	Gly	300	Glu
Lys	His	Glu	Lys	305	Glu	Asn	Glu	Glu	Phe	310	Thr	Gly	Gln	Leu	Lys	315	Val
Ala	Lys	Asp	Val	320	Glu	Lys	Leu	Ile	Gly	325						330	
				335													

&lt;210&gt; 26

&lt;211&gt; 189

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2060563CD1

&lt;400&gt; 26

Met	Leu	Gly	Met	Ile	Lys	Asn	Ser	Leu	Phe	Gly	Ser	Val	Glu	Thr			
1				5					10					15			
Trp	Pro	Trp	Gln	Val	Leu	Ser	Lys	Gly	Asp	Lys	Glu	Glu	Val	Ala			
				20					25					30			
Tyr	Glu	Glu	Arg	Ala	Cys	Glu	Gly	Gly	Lys	Phe	Ala	Thr	Val	Glu			
				35					40					45			
Val	Thr	Asp	Lys	Pro	Val	Asp	Glu	Ala	Leu	Arg	Glu	Ala	Met	Pro			
				50					55					60			
Lys	Val	Ala	Lys	Tyr	Ala	Gly	Gly	Thr	Asn	Asp	Lys	Gly	Ile	Gly			
				65					70					75			
Met	Gly	Met	Thr	Val	Pro	Ile	Ser	Phe	Ala	Val	Phe	Pro	Asn	Glu			
				80					85					90			
Asp	Gly	Ser	Leu	Gln	Lys	Lys	Leu	Lys	Val	Trp	Phe	Arg	Ile	Pro			
				95					100					105			
Asn	Gln	Phe	Gln	Ser	Asp	Pro	Pro	Ala	Pro	Ser	Asp	Lys	Ser	Val			
				110					115					120			
Lys	Ile	Glu	Glu	Arg	Glu	Gly	Ile	Thr	Val	Tyr	Ser	Met	Gln	Phe			
				125					130					135			
Gly	Gly	Tyr	Ala	Lys	Glu	Ala	Asp	Tyr	Val	Ala	Gln	Ala	Thr	Arg			
				140					145					150			
Leu	Arg	Ala	Ala	Leu	Glu	Gly	Thr	Ala	Thr	Tyr	Arg	Gly	Asp	Ile			
				155					160					165			
Tyr	Phe	Cys	Thr	Gly	Tyr	Asp	Pro	Pro	Met	Lys	Pro	Tyr	Gly	Arg			
				170					175					180			
Arg	Asn	Glu	Ile	Trp	Leu	Leu	Lys	Thr									
				185													

&lt;210&gt; 27

&lt;211&gt; 530

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2573955CD1

&lt;400&gt; 27

Met	Leu	Leu	Trp	Pro	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Pro	Thr
1				5					10					15
Leu	Ala	Leu	Leu	Arg	Gln	Gln	Arg	Ser	Gln	Asp	Ala	Arg	Leu	Ser
				20					25					30
Trp	Leu	Ala	Gly	Leu	Gln	His	Arg	Val	Ala	Trp	Gly	Ala	Leu	Val
				35					40					45
Trp	Ala	Ala	Thr	Trp	Gln	Arg	Arg	Arg	Leu	Glu	Gln	Ser	Thr	Leu
				50					55					60
His	Val	His	Gln	Ser	Gln	Gln	Gln	Ala	Leu	Arg	Trp	Cys	Leu	Gln
				65					70					75
Gly	Ala	Gln	Arg	Pro	His	Cys	Ser	Leu	Arg	Arg	Ser	Thr	Asp	Ile
				80					85					90
Ser	Thr	Phe	Arg	Asn	His	Leu	Pro	Leu	Thr	Lys	Ala	Ser	Gln	Thr
				95					100					105
Gln	Gln	Glu	Asp	Ser	Gly	Glu	Gln	Pro	Leu	Ala	Pro	Thr	Ser	Asn
				110					115					120
Gln	Asp	Leu	Gly	Glu	Ala	Ser	Leu	Gln	Ala	Thr	Leu	Leu	Gly	Leu
				125					130					135
Ala	Ala	Leu	Asn	Lys	Ala	Tyr	Pro	Glu	Val	Leu	Ala	Gln	Gly	Arg
				140					145					150
Thr	Ala	Arg	Val	Thr	Leu	Thr	Ser	Pro	Trp	Pro	Arg	Pro	Leu	Pro
				155					160					165
Trp	Pro	Gly	Asn	Thr	Leu	Gly	Gln	Val	Gly	Thr	Pro	Gly	Thr	Lys
				170					175					180
Asp	Pro	Arg	Ala	Leu	Leu	Leu	Asp	Ala	Leu	Arg	Ser	Pro	Gly	Leu
				185					190					195
Arg	Ala	Leu	Glu	Ala	Gly	Thr	Ala	Val	Glu	Leu	Leu	Asp	Val	Phe
				200					205					210
Leu	Gly	Leu	Glu	Thr	Asp	Gly	Glu	Glu	Leu	Ala	Gly	Ala	Ile	Ala
				215					220					225
Ala	Gly	Asn	Pro	Gly	Ala	Pro	Leu	Arg	Glu	Arg	Ala	Ala	Glu	Leu
				230					235					240
Arg	Glu	Ala	Leu	Glu	Gln	Gly	Pro	Arg	Gly	Leu	Ala	Leu	Arg	Leu
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Trp	Pro	Lys	Leu	Gln	Val	Val	Val	Thr	Leu	Asp	Ala	Gly	Gly	Gln
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Ala	Glu	Ala	Val	Ala	Ala	Leu	Gly	Ala	Leu	Trp	Cys	Gln	Gly	Leu
				275					280					285
Ala	Phe	Phe	Ser	Pro	Ala	Tyr	Ala	Ala	Ser	Gly	Gly	Val	Leu	Gly
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Leu	Asn	Leu	Gln	Pro	Glu	Gln	Pro	His	Gly	Leu	Tyr	Leu	Leu	Pro
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Pro	Gly	Ala	Pro	Phe	Ile	Glu	Leu	Leu	Pro	Val	Lys	Glu	Gly	Thr
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Gln	Glu	Glu	Ala	Ala	Ser	Thr	Leu	Leu	Leu	Ala	Glu	Ala	Gln	Gln
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Gly	Lys	Glu	Tyr	Glu	Leu	Val	Leu	Thr	Asp	Arg	Ala	Ser	Leu	Thr
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Arg	Cys	Arg	Leu	Gly	Asp	Val	Val	Arg	Val	Val	Gly	Ala	Tyr	Asn
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Gln	Cys	Pro	Val	Val	Arg	Phe	Ile	Cys	Arg	Leu	Asp	Gln	Thr	Leu
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Ser	Val	Arg	Gly	Glu	Asp	Ile	Gly	Glu	Asp	Leu	Phe	Ser	Glu	Ala
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Leu	Gly	Arg	Ala	Val	Gly	Gln	Trp	Ala	Gly	Ala	Lys	Leu	Leu	Asp



His Gly Cys Val	410	415	420
Glu Ser Ser Ile Leu	425	430	435
Ala Pro His Tyr	440	445	450
Leu Ser Glu Glu	455	460	465
Ala Ser Pro Arg	470	475	480
Pro Ala Arg Val	485	490	495
Arg Ala Ala Leu	500	505	510
Met Pro Arg Val	515	520	525
Glu Arg Val Val	530		

&lt;210&gt; 28

&lt;211&gt; 356

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3404792CD1

&lt;400&gt; 28

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Ala Ile Ile Leu His	50	Gln Phe Ala Arg	55	Pro Asn Asn Gly Val Pro	60
Ser Leu Ser Pro Phe	65	Cys Leu Lys Met	70	Glu Thr Tyr Leu Arg Met	75
Ala Asp Leu Pro Tyr	80	Gln Asn Tyr Phe	85	Gly Gly Lys Leu Ser Ala	90
Gln Gly Lys Met Pro	95	Trp Ile Glu Tyr	100	Asn His Glu Lys Val Ser	105
Gly Thr Glu Phe Ile	110	Ile Asp Phe Leu	115	Glu Glu Lys Leu Gly Val	120
Asn Leu Asn Lys Asn	125	Leu Gly Pro His	130	Glu Arg Ala Ile Ser Arg	135
Ala Val Thr Lys Met	140	Val Glu Glu His	145	Phe Tyr Trp Thr Leu Ala	150
Tyr Cys Gln Trp Val	155	Asp Asn Leu Asn	160	Glu Thr Arg Lys Met Leu	165
Ser Leu Ser Gly Gly	170	Gly Pro Phe Ser	175	Asn Leu Leu Arg Trp Val	180
Val Cys His Ile Thr	185	Lys Gly Ile Val	190	Lys Arg Glu Met His Gly	195
His Gly Ile Gly Arg	200	Phe Ser Glu Glu	205	Glu Ile Tyr Met Leu Met	210
Glu Lys Asp Met Arg	215	Ser Leu Ala Gly	220	Leu Leu Gly Asp Lys Lys	225
Tyr Ile Met Gly Pro	230	Lys Leu Ser Thr	235	Leu Asp Ala Thr Val Phe	240
Gly His Leu Ala Gln	245	Ala Met Trp Thr	250	Leu Pro Gly Thr Arg Pro	255
Glu Arg Leu Ile Lys	260	Gly Glu Leu Ile	265	Asn Leu Ala Met Tyr Cys	270

Glu	Arg	Ile	Arg	Arg	Lys	Phe	Trp	Pro	Glu	Trp	His	His	Asp	Asp
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Thr	His	Thr	Pro	Leu	Leu	Asp	Phe	Ser	Phe	Tyr	Ser	Arg	Thr	Glu
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Thr	Phe	Glu	Asp	Glu	Gly	Ala	Glu	Asn	Ser	Phe	Ser	Arg	Thr	Pro
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Asp	Thr	Asp	Phe	Thr	Gly	His	Ser	Leu	Phe	Asp	Ser	Asp	Val	Asp
				335					340					345
Met	Asp	Asp	Tyr	Thr	Asp	His	Glu	Gln	Cys	Lys				
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&lt;210&gt; 29

&lt;211&gt; 1364

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1681724CB1

&lt;400&gt; 29

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&lt;210&gt; 30

&lt;211&gt; 505

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1718047CB1

&lt;400&gt; 30

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<213> Homo sapiens

<220>  
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<223> Incyte ID No: 1980323CB1

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<213> Homo sapiens

<220>  
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<223> Incyte ID No: 1990956CB1

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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 2009069CB1

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 ggaagacacc ccgtcaacga aggtccagaa gcggcggttaa gggcctaaag accaccagga 180  
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 aaaaaatgaa gaaagaagag gccgacaaaag agcaaaagcga gacctcagtt ctgtgatgtc 360  
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 <211> 1549  
 <212> DNA  
 <213> Homo sapiens

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 <223> Incyte ID No: 2009435CB1

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&lt;223&gt; Incyte ID No: 2027937CB1

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&lt;210&gt; 36

&lt;211&gt; 4061

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&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte ID No: 2722347CB1

&lt;400&gt; 36

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&lt;210&gt; 45

&lt;211&gt; 3154

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte ID No: 3554748CB1

&lt;400&gt; 45

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&lt;210&gt; 46

&lt;211&gt; 2204

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3555629CB1

&lt;400&gt; 46

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&lt;211&gt; 726

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1360522CB1

&lt;400&gt; 49

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&lt;223&gt; Incyte ID No: 1794031CB1

&lt;400&gt; 53

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&lt;211&gt; 1146

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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 <223> Incyte ID No: 2060563CB1

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&lt;211&gt; 1164

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;400&gt; 56

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